

Abstract

A critical temperature indicator according to the present invention produces a visual, irreversible indication that the indicator has been subjected to a selected critical temperature. The critical temperature indicator includes a transparent housing, and a
5 temperature sensitive transformable material operably contained within the transparent housing which includes mixture of water, nucleating agent (preferably ice nucleating active (INA) microorganisms), latex, and stabilizer which is translucent prior to exposure of a predetermined temperature and is transformed upon being subjected to the
predetermined temperature to render a substantially consistent opaque material thus
10 precluding visibility therethrough and thereby providing a sure visual sign that the indicator has been subjected to the predetermined temperature.